

SECTION 0216

CONSTRUCTION SURVEYING AND LAYOUT PERFORMED BY TUCSON WATER

(PERFORMED BY CITY for Tucson Water projects unless otherwise noted)

0216.0100 GENERAL

0216.0101 Description of Work. The City shall provide horizontal and vertical survey controls necessary for the project. Horizontal and vertical survey control will be referenced to project data as shown on the drawings. The City shall provide all other surveying related tasks including, but not limited to, staking the pipe centerline and cut sheets as required and approved by the Engineer. Staking shall be in accordance with TW Standard Detail 105. Spacing between pipe centerline and offset stakes shall be a maximum of 50 feet. Contractor is responsible for protecting all areas that have been staked and will be charged for re-stake.

The Contractor shall provide the City advance notice of a minimum of 2 working days prior to when survey control is required at any specific location. The Contractor's operations shall accommodate the City's surveyors to allow them to safely and efficiently perform the requested establishment of survey control without undue interference from equipment, materials, or supplies.

The Contractor—at his/her expense—shall protect or replace "in kind" any existing survey monumentation (including property corners) if damaged or disturbed during construction. Replacement "in kind" shall be by a Land Surveyor registered in the State of Arizona, and a "Record of Survey" shall be accomplished.